DENON

INTEGRATED AMPLIFIER

PMA-1510AE

Owner’s Manual

Bedienungsanleitung

Manuel de l’Utilisateur

Manuale delle istruzioni

Manual del usuario

Gebruiksaanwijzing

Bruksanvisning

❑ SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPOTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel.
    Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Hot surface mark

CAUTION:
HOT SURFACE. DO NOT TOUCH.
The top surface over the internal heat sink may become hot when operating this product continuously.
Do not touch hot areas, especially around the "Hot surface mark" and the top panel.

VORSICHT:
HEISSE OBERFLÄCHE. NICHT ANFASSEN.
Die Oberseite über dem inneren Kühlkörper könnte heiß werden, wenn dieses Produkt dauerhaft betrieben wird.
Berühren Sie keine heißen Bereiche, hier besonders um die Kennzeichnung "Hot surface mark" und die Oberseite.

PRECAUTION:
SURFACE CHAUDE. NE PAS TOUCHER.
La surface supérieure du dissipateur de chaleur peut devenir chaude si vous utilisez ce produit en continu.
Ne touchez pas les zones chaudes, tout particulièrement vers l'inscription "Hot surface mark" et le panneau supérieur.

ATTENZIONE:
SUPERFICIE CALDA. NON TOCCARE.
La superficie superiore al di sopra del dissipatore interno può riscaldarsi quando si adopera questo prodotto in maniera continuativa.
Non toccare parti calde, in particolare quelle intorno alla dicitura "Hot surface mark" e al pannello superiore.

PRECAUCIÓN:
SUPERFICIE CALIENTE. NO TOCAR.
La superficie superior sobre el disipador de calor interno podría llegar a calentarse al operar este producto de forma continua.
No toque las áreas calientes, especialmente las situadas alrededor de la "Hot surface mark" y del panel superior.

WAARSCHUWING:
HEET OPPERVLAK. NIET AANRAKEN.
Bij ononderbroken bediening van dit product kan het oppervlak boven de interne koelplaat heet worden.
Raak het toestel niet aan waar het heet is, vooral niet in de buurt van het "Hot surface mark" en het bovenpaneel.

FÖRSIKTIHETSMÅTT:
VARM YTA. RÖR EJ.
Ytan ovanför den interna kylflänsen kan bli varm när produkten används kontinuerligt.
Rör inte varma områden. Var särskilt försiktig vid märkningen "Hot surface mark" och på toppanelen.

CAUTION:
To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.
The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user.

VORSICHT:
Um dieses Gerät vollständig von der Stromversorgung abzutrennen, ziehen Sie bitte den Stecker aus der Wandsteckdose.
Der Netzstecker wird verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein.

PRECAUTION:
Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale.
La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement.

ATTENZIONE:
Per scollegare completamente questo prodotto dalla rete di alimentazione elettrica, scollegare la spina dalla relativa presa a muro.
La spina di rete viene utilizzata per interrompere completamente l'alimentazione all'unità e deve essere facilmente accessibile all'utente.

PRECAUCIÓN:
Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared.
El enchufe de la alimentación eléctrica se utiliza para interrumpir por completo el suministro de alimentación eléctrica a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso.

WAARSCHUWING:
Om de voeding van dit product volledig te onderbreken moet de stekker uit het stopcontact worden getrokken.
De netstekker wordt gebruikt om de stroomtoevoer naar het toestel volledig te onderbreken en moet voor de gebruiker gemakkelijk bereikbaar zijn.

FÖRSIKTIHETSMÅTT:
Koppla loss stickproppen från eluttaget för att helt skilja produkten från nätet.
Stickproppen används för att helt bryta strömförsörjningen till apparaten, och den måste vara lättillgänglig för användaren.

❑ NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA ANGÅENDE ANVÄNDNINGEN

WARNINGS	WARNHINWEISE	AVERTISSEMENTS	AVVERTENZE	ADVERTENCIAS	WAARSCHUWINGEN	VARNINGAR
• Avoid high temperatures. Allow for sufficient heat dispersion when installed in a rack. • Handle the power cord carefully. Hold the plug when unplugging the cord. • Keep the unit free from moisture, water, and dust. • Unplug the power cord when not using the unit for long periods of time. • Do not obstruct the ventilation holes. • Do not let foreign objects into the unit. • Do not let insecticides, benzene, and thinner come in contact with the unit. • Never disassemble or modify the unit in any way. • Ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths or curtains. • Naked flame sources such as lighted candles should not be placed on the unit. • Observe and follow local regulations regarding battery disposal. • Do not expose the unit to dripping or splashing fluids. • Do not place objects filled with liquids, such as vases, on the unit. • Do not handle the mains cord with wet hands. • When the switch is in the OFF position, the equipment is not completely switched off from MAINS. • The equipment shall be installed near the power supply so that the power supply is easily accessible.	• Vermeiden Sie hohe Temperaturen. Beachten Sie, dass eine ausreichende Belüftung gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird. • Gehen Sie vorsichtig mit dem Netzkabel um. Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen. • Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern. • Wenn das Gerät längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker. • Decken Sie den Lüftungsbereich nicht ab. • Lassen Sie keine fremden Gegenstände in das Gerät kommen. • Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen. • Versuchen Sie niemals das Gerät auseinander zu nehmen oder zu verändern. • Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden. • Auf dem Gerät sollten keinerlei direkte Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden. • Bitte beachten Sie bei der Entsorgung der Batterien die örtlich geltenden Umweltbestimmungen. • Das Gerät sollte keiner tropfenden oder spritzenden Flüssigkeit ausgesetzt werden. • Auf dem Gerät sollten keine mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden. • Das Netzkabel nicht mit feuchten oder nassen Händen anfassen. • Wenn der Schalter ausgeschaltet ist (OFF-Position), ist das Gerät nicht vollständig vom Stromnetz (MAINS) abgetrennt. • Das Gerät sollte in der Nähe einer Netzsteckdose aufgestellt werden, damit es leicht an das Stromnetz angeschlossen werden kann.	• Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère. • Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon. • Protéger l'appareil contre l'humidité, l'eau et la poussière. • Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes. • Ne pas obstruer les trous d'aération. • Ne pas laisser des objets étrangers dans l'appareil. • Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil. • Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre. • Ne pas recouvrir les orifi ces de ventilation avec des objets tels que des journaux, nappes ou rideaux. Cela entraverait la ventilation. • Ne jamais placer de flamme nue sur l'appareil, notamment des bougies allumées. • Veillez à respecter les lois en vigueur lorsque vous jetez les piles usagées. • L'appareil ne doit pas être exposé à l'eau ou à l'humidité. • Ne pas poser d'objet contenant du liquide, par exemple un vase, sur l'appareil. • Ne pas manipuler le cordon d'alimentation avec les mains mouillées. • Lorsque l'interrupteur est sur la position OFF, l'appareil n'est pas complètement déconnecté du SECTEUR (MAINS). • L'appareil sera installé près de la source d'alimentation, de sorte que cette dernière soit facilement accessible.	• Evitate di esporre l'unità a temperature elevate. Assicuratevi che vi sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio. • Manneggiate il cavo di alimentazione con attenzione. Tenete ferma la spina quando scollegate il cavo dalla presa. • Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere. • Scollegate il cavo di alimentazione quando prevedete di non utilizzare l'unità per un lungo periodo di tempo. • Non coprite i fori di ventilazione. • Non inserite corpi estranei all'interno dell'unità. • Assicuratevi che l'unità non entri in contatto con insetticidi, benzolo o solventi. • Non smontate né modificate l'unità in alcun modo. • Le aperture di ventilazione non devono essere ostruite coprendole con oggetti, quali giornali, tovaglie, tende e così via. • Non posizionate sull'unità fi amme libere, come ad esempio candele accese. • Prestate attenzione agli aspetti legati alla tutela dell'ambiente nello smaltimento delle batterie. • L'apparecchiatura non deve essere esposta a gocciolii o spruzzi. • Non posizionate sull'unità alcun oggetto contenente liquidi, come ad esempio i vasi. • Non toccare il cavo di alimentazione con le mani bagnate. • Quando l'interruttore è nella posizione OFF, l'apparecchiatura non è completamente scollegata da MAINS. • L'apparecchio va installato in prossimità della fonte di alimentazione, in modo che quest'ultima sia facilmente accessibile.	• Evite altas temperaturas. Permite la suficiente dispersión del calor cuando está instalado en la consola. • Maneje el cordón de energía con cuidado. Sostenga el enchufe cuando desconecte el cordón de energía. • Mantenga el equipo libre de humedad, agua y polvo. • Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo. • No obstruya los orificios de ventilación. • No deje objetos extraños dentro del equipo. • No permita el contacto de insecticidas, gasolina y diluyentes con el equipo. • Nunca desarme o modifique el equipo de ninguna manera. • La ventilación no debe quedar obstruida por haberse cubierto las aperturas con objetos como periódicos, manteles o cortinas. • No deberán colocarse sobre el aparato fuentes inflamables sin protección, como velas encendidas. • A la hora de deshacerse de las pilas, respete la normativa para el cuidado del medio ambiente. • No exponer el aparato al goteo o salpicaduras cuando se utilice. • No colocar sobre el aparato objetos llenos de líquido, como jarros. • No maneje el cable de alimentación con las manos mojadas. • Cuando el interruptor está en la posición OFF, el equipo no está completamente desconectado de la alimentación MAINS. • El equipo se instalará cerca de la fuente de alimentación de manera que resulte fácil acceder a ella.	• Vermijd hoge temperaturen. Zorg er bij installatie in een audiorack voor, dat de door het toestel geproduceerde warmte goed kan worden afgevoerd. • Hanteer het netsnoer voorzichtig. Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld. • Laat geen vochtigheid, water of stof in het apparaat binnendringen. • Neem altijd het netsnoer uit het stopkontakt wanneer het apparaat gedurende een lange periode niet wordt gebruikt. • De ventilatieopeningen mogen niet worden beblokkeerd. • Laat geen vreemde voorwerpen in dit apparaat vallen. • Voorkom dat insecticiden, benzeen of verfverdunner met dit toestel in contact komen. • Dit toestel mag niet gedemonteerd of aangepast worden. • De ventilatie mag niet worden belemmerd door de ventilatieopeningen af te dekken met bijvoorbeeld kranten, een tafelkleed of gordijnen. • Plaats geen open vlammen, bijvoorbeeld een brandende kaars, op het apparaat. • Houd u steeds aan de milieuvoorschriften wanneer u gebruikte batterijen wegdoet. • Stel het apparaat niet bloot aan druppels of spatten. • Plaats geen voorwerpen gevuld met water, bijvoorbeeld een vaas, op het apparaat. • Raak het netsnoer niet met natte handen aan. • Als de schakelaar op OFF staat, is het apparaat niet volledig losgekoppeld van de netspanning (MAINS). • De apparatuur wordt in de buurt van het stopcontact geïnstalleerd, zodat dit altijd gemakkelijk toegankelijk is.	• Undvik höga temperaturer. Se till att det finns möjlighet till god värmeavledning vid montering i ett rack. • Hantera nätkabeln varsamt. Håll i kabeln när den kopplas från el-uttaget. • Utsätt inte apparaten för fukt, vatten och damm. • Koppla loss nätkabeln om apparaten inte kommer att användas i lång tid. • Täpp inte till ventilationsöppningarna. • Se till att främmande föremål inte tränger in i apparaten. • Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje. • Ta inte isär apparaten och försök inte bygga om den. • Ventilationen bör inte förhindras genom att täcka för ventilationsöppningarna med föremål såsom tidningar, bordsdukar eller gardiner. • Placera inte öppen eld, t.ex. tända ljus, på apparaten. • Tänk på miljöaspekterna när du bortskaffar batterier. • Apparaten får inte utsättas för vätska. • Placera inte föremål fyllda med vätska, t.ex. vaser, på apparaten. • Hantera inte nätsladden med våta händer. • Även om strömbrytaren står i det avstängda läget OFF, så är utrustningen inte helt bortkopplad från det elektriska nätet (MAINS). • Utrustningen ska vara installerad nära strömuttaget så att strömförsörjningen är lätt att tillgå.

- **DECLARATION OF CONFORMITY**
  We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards: EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3.
  Following the provisions of Low Voltage Directive 2006/95/EC and EMC Directive 2004/108/EC, the EC regulation 1275/2008 and its frame work Directive 2009/125/EC for Energy-related Products (ErP).
- **ÜBEREINSTIMMUNGSERKLÄRUNG**
  Wir erklären unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht: EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3.
  Following the provisions of low voltage directive 2006/95/EC and EMC directive 2004/108/EC, the EC regulation 1275/2008 and its frame work directive 2009/125/EC for energy-related products (ErP).
- **DECLARATION DE CONFORMITE**
  Nous déclarons sous notre seule responsabilité que l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants: EN60065, EN55013, EN55020, EN61000-3-2 et EN61000-3-3.
  Selon la directive 2006/95/EC concernant la basse tension et la directive CEM 2004/108/EC, la réglementation européenne 1275/2008 et la directive 2009/125/EC établissant un cadre de travail applicable aux produits liés à l'énergie (ErP).
- **DICHIARAZIONE DI CONFORMITÀ**
  Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative: EN60065, EN55013, EN55020, EN61000-3-2 e EN61000-3-3.
  Facendo seguito alle disposizioni della direttiva sul basso voltaggio 2006/95/EC alla direttiva EMC 2004/108/EC, alla norma EC 1275/2008 e alla relativa legge quadro 2009/125/EC in materia di prodotti alimentati ad energia (ErP).
  QUESTO PRODOTTO E' CONFORME
  AL D.M. 28/08/95 N. 548
- **DECLARACIÓN DE CONFORMIDAD**
  Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares:
  EN60065, EN55013, EN55020, EN61000-3-2 y EN61000-3-3.
  De acuerdo con la directiva sobre baja tensión 2006/95/CE y la directiva sobre CEM 2004/108/CE, la normativa CE 1275/2008 y su directiva marco 2009/125/EC para productos relacionados con la energía (ErP).
- **EENVORMIGHEIDSVERKLARING**
  Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit produkt, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen:
  EN60065, EN55013, EN55020, EN61000-3-2 en EN61000-3-3.
  Volgens de voorzieningen van lage spanningsrichtlijn 2006/95/EC en EMC-richtlijn 2004/108/EC, de EU-richtlijn 1275/2008 en de kaderrichtlijn 2009/125/EC voor energieverbruikende producten (ErP).
- **ÖVERENSSTÄMMELSESINTYG**
  Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder:
  EN60065, EN55013, EN55020, EN61000-3-2 och EN61000-3-3.
  Uppfyller reglerna i lågspänningsdirektivet 2006/95/EC och EMC-direktivet 2004/108/EC, EU-förordningen 1275/2008 och ramverksdirektivet 2009/125/EC för energirelaterade produkter (ErP).

DENON EUROPE
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A NOTE ABOUT RECYCLING:
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.
When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal.
This product and the supplied accessories, excluding the batteries, constitute the applicable product according to the WEEE directive.

HINWEIS ZUM RECYCLING:
Das Verpackungsmaterial dieses Produktes ist zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften.
Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen.
Die Batterien dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte entsorgen Sie die Batterien gemäß der örtlichen Vorschriften.
Dieses Produkt und das im Lieferumfang enthaltene Zubehör (mit Ausnahme der Batterien!) entsprechen der WEEE-Direktive.

UNE REMARQUE CONCERNANT LE RECYCLAGE:
Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. Veuillez disposer des matériaux conformément aux lois sur le recyclage en vigueur.
Lorsque vous mettez cet appareil au rebut, respectez les lois ou réglementations en vigueur.
Les piles ne doivent jamais être jetées ou incinérées, mais mises au rebut conformément aux lois en vigueur sur la mise au rebut des piles.
Ce produit et les accessoires inclus, à l'exception des piles, sont des produits conformes à la directive DEEE.

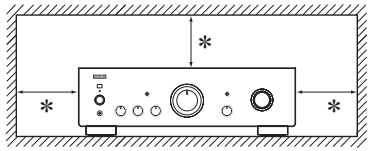
NOTA RELATIVA AL RICICLAGGIO:
I materiali di imballaggio di questo prodotto sono riutilizzabili e riciclabili. Smaltire i materiali conformemente alle normative locali sul riciclaggio.
Per lo smaltimento dell'unità, osservare le normative o le leggi locali in vigore.
Non gettare le batterie, né incenerirle, ma smaltirle conformemente alla normativa locale sui rifiuti chimici.
Questo prodotto e gli accessori inclusi nell'imballaggio sono applicabili alla direttiva RAEE, ad eccezione delle batterie.

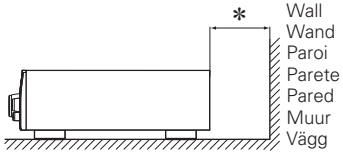
ACERCA DEL RECICLAJE:
Los materiales de embalaje de este producto son reciclables y se pueden volver a utilizar. Disponga de estos materiales siguiendo los reglamentos de reciclaje de su localidad.
Cuando se deshaga de la unidad, cumpla con las reglas o reglamentos locales.
Las pilas nunca deberán tirarse ni incinerarse. Deberá disponer de ellas siguiendo los reglamentos de su localidad relacionados con los desperdicios químicos.
Este producto junto con los accesorios empaquetados es el producto aplicable a la directiva RAEE excepto pilas.

EEN AANTEKENING MET BETREKKING TOT DE RECYCLING:
Het inpakmateriaal van dit product is recycleerbaar en kan opnieuw gebruikt worden. Er wordt verzocht om zich van elk afvalmateriaal te ontdoen volgens de plaatselijke voorschriften.
Volg voor het wegdoen van de speler de voorschriften voor de verwijdering van wit- en bruingoed op.
Batterijen mogen nooit worden weggegooid of verbrand, maar moeten volgens de plaatselijke voorschriften betreffende chemisch afval worden verwijderd.
Op dit product en de meegeleverde accessoires, m.u.v. de batterijen is de richtlijn voor afgedankte elektrische en elektronische apparaten (WEEE) van toepassing.

OBSERVERA ANGÅENDE ÅTERVINNING:
Produktens emballage är återvinningsbart och kan återanvändas. Kassera det enligt lokala återvinningsbestämmelser.
När du kasserar enheten ska du göra det i överensstämmelse med lokala regler och bestämmelser.
Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall.
Denna apparat och de tillbehör som levereras med den uppfyller gällande WEEE-direktiv, med undantag av batterierna.

❑ CAUTIONS ON INSTALLATION
VORSICHTSHINWEISE ZUR AUFSTELLUNG
PRÉCAUTIONS D'INSTALLATION
PRECAUZIONI SULL'INSTALLAZIONE
EMPLAZAMIENTO DE LA INSTALACIÓN
VOORZORGSMAATREGELEN BIJ DE INSTALLATIE
FÖRSIKTIGHET VID INSTALLATIONEN





* **For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.**
  • More than 0.3 m is recommended.
  • Do not place any other equipment on this unit.
* **Stellen Sie das Gerät nicht an einem geschlossenen Ort, wie in einem Bücherregal oder einer ähnlichen Einrichtung auf, da dies eine ausreichende Belüftung des Geräts behindern könnte.**
  • Empfohlen wird über 0,3 m.
  • Keine anderen Gegenstände auf das Gerät stellen.
* **Pour permettre la dissipation de chaleur requise, n'installez pas cette unité dans un espace confiné tel qu'une bibliothèque ou un endroit similaire.**
  • Une distance de plus de 0,3 m est recommandée.
  • Ne placez aucun matériel sur cet appareil.
* **Per una dispersione adeguata del calore, non installare questa apparecchiatura in uno spazio ristretto, come ad esempio una libreria o simili.**
  • Si raccomanda una distanza superiore ai 0,3 m.
  • Non posizionare alcun altro oggetto o dispositivo su questo dispositivo.
* **Para la dispersión del calor adecuadamente, no instale este equipo en un lugar confinado tal como una librería o unidad similar.**
  • Se recomienda dejar más de 0,3 m alrededor.
  • No coloque ningún otro equipo sobre la unidad.
* **Plaats dit toestel niet in een kleine afgesloten ruimte, zoals een boekenkast e.d., omdat anders de warmte niet op gepaste wijze kan worden afgevoerd.**
  • Meer dan 0,3 m is aanbevolen.
  • Plaats geen andere apparatuur op het toestel.
* **För att tillförsäkra god värmeavledning får utrustningen inte installeras i instängda utrymmen, som t.ex. en bokhylla eller liknande.**
  • Mer än 0,3 m rekommenderas.
  • Placera ingen annan utrustning ovanpå den här enheten.

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Getting started

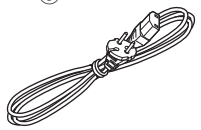
Thank you for purchasing this DENON product. To ensure proper operation, please read this owner's manual carefully before using the product.
After reading the manual, be sure to keep it for future reference.

Accessories

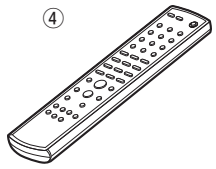
Check that the following parts are supplied with the product.

① Owner's manual 1
② Service network list 1
③ Power cord (Cord length: Approx. 1.5 m) 1
④ Remote control (RC-1143) 1
⑤ R03/AAA batteries 2

③



④



• Note that for explanatory purposes the illustrations in these instructions may differ from the actual unit.

Main features

UHC (Ultra High Current)-MOS single push-pull circuit installed to simultaneously achieve both "subtlety" and "powerfulness"

Use of the minimum number of amplifier elements with between 3 and 10 times the normal power capacity produces a combination of both detailed expression and high power. From the pianissimo tones of a soloist emerging softly from silence to the hall-shaking power of a full orchestra, the artist's emotion is reproduced with exceptional balance.

Adoption of a Large potentiometer with motorized function

This unit adopts a large potentiometer that is provided with higher-grade integrated amplifiers as well.

Resonance Suppression Design

Effects of vibrations on the audio quality of this unit have been substantially minimized, by scattering resonance points by varying the configurations of fins in the heat sink, as well as by lowering the center of gravity of the power amplifier block.

Cautions on handling

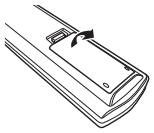
- **Before turning the power switch on**
  Check once again that all connections are correct and that there are no problems with the connection cables.
- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When leaving home for long periods of time, be sure to unplug the power cord from the power outlet.
- **About condensation**
  If there is a major difference in temperature between the inside of the unit and the surroundings, condensation may form on parts inside the unit, causing the unit to fail to operate properly.
  If this happens, let the unit sit for an hour or two with the power off and wait until there is little difference in temperature before using the unit.
- **Cautions on using mobile phones**
  Using a mobile phone near this unit may result in noise. If that occurs, move the mobile phone away from the unit when it is in use.
- **Moving the unit**
  Turn off the power and unplug the power cord from the power outlet.
  Next, disconnect the cables connected to other system units before moving the unit.

About the remote control

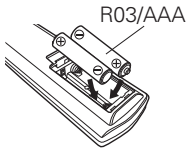
The supplied remote control can be used to control DENON CD players and tuners.
- The remote control may not operate some products.

Inserting the batteries

① Remove the rear cover of the remote control.



② Place two R03/AAA batteries in the battery compartment in the indicated direction.



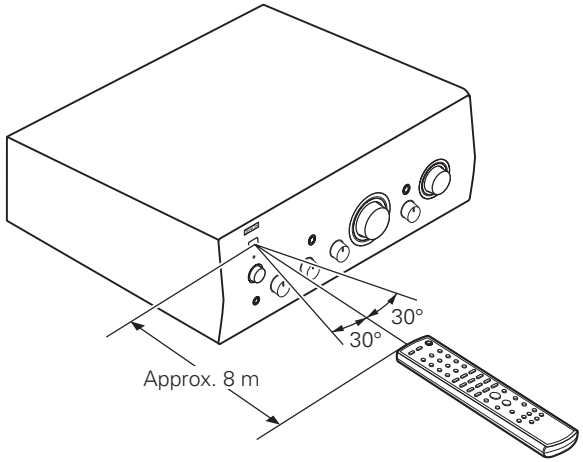
③ Put the rear cover back on.

NOTE

- Replace the batteries with new ones if the unit does not operate even when the remote control is operated close to the unit.
- The supplied batteries are only for verifying operation.
- Insert the batteries in the proper direction, following the "⊕" and "⊖" marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
  - Do not use a new battery with an old one.
  - Do not use two different types of batteries.
  - Do not attempt to charge dry batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in a fire.
- If the battery fluid leaks, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- Remove the batteries from the remote control if it will not be used for a long time.
- Used batteries in accordance with local regulations on battery disposal.

Operating range of the remote control

operate the remote control while pointing it at the remote sensor.



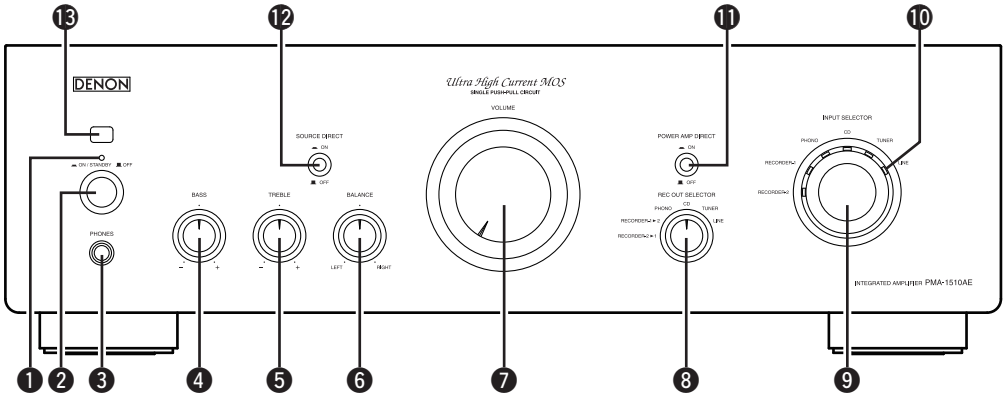
NOTE

The unit may function improperly or the remote control may not operate if the remote control sensor is exposed to direct sunlight, or strong artificial light from a fluorescent or infrared light.

Part names and functions

For buttons not explained here, see the page indicated in parentheses ( ).

Front panel



❶ **Power indicator** ..... (7)
Indicates the status of the unit's as follows:
- For several seconds after the power is turned on .....Red (blinking)
- Power "ON" ..... Green
- Muting.....Red (blinking)
- Standby.....Red
- Power "OFF".....Off
- Eco Mode Standby.....Off

❷ **Power switch (▂ON/STANDBY ■OFF)** ... (7)

❸ **Headphone jack (PHONES)** ..... (8)

❹ **BASS control knob** ..... (7, 8)

❺ **TREBLE control knob** ..... (7, 8)

❻ **BALANCE control knob** ..... (7, 8)

❼ **VOLUME control knob** ..... (7, 8)

❽ **REC OUT SELECTOR knob** ..... (8)

❾ **INPUT SELECTOR knob** ..... (8)

❿ **Input indicator** ..... (8)

⓫ **POWER AMP DIRECT switch** ..... (9)

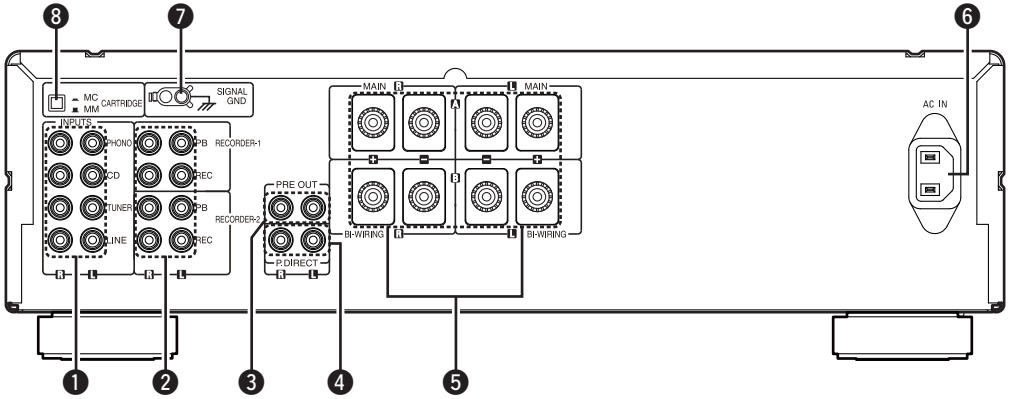
⓬ **SOURCE DIRECT switch** ..... (7, 8)

⓭ **Remote control sensor** ..... (2)

NOTE

Functions ❹, ❺ and ❻ are only available when the **SOURCE DIRECT** switch is set to "■OFF".

Rear panel



❶ **Input terminals (INPUTS)** ..... (6)

❷ **Input/output terminals (Recordings) (RECORDER-1 and RECORDER-2)** ..... (6)

❸ **PRE OUT terminals** ..... (9)

❹ **Power amplifier direct terminals (POWER AMP DIRECT)** ..... (9)

❺ **Speaker system terminals (SPEAKER SYSTEMS)** ..... (5, 6)

❻ **AC inlet (AC IN)** ..... (7)

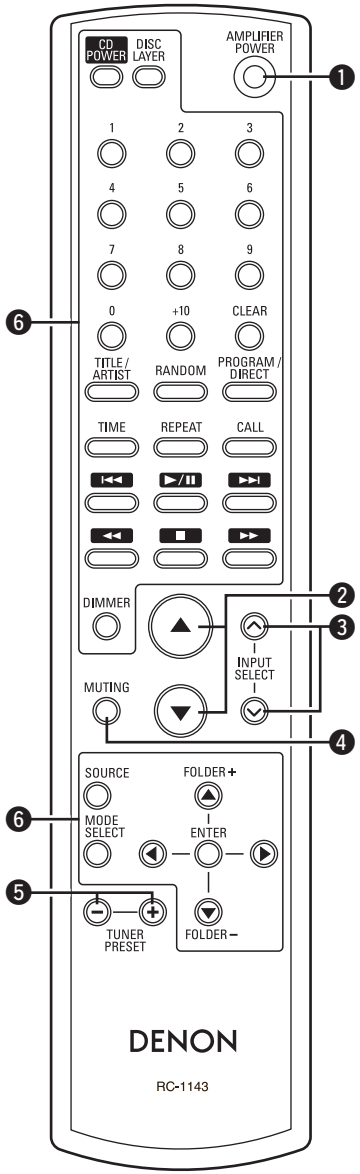
❼ **SIGNAL GND (ground) terminal** ..... (6)

NOTE

- This terminal is not a safety ground.

❽ **CARTRIDGE selection switch** ..... (6)

Remote control



❶ **AMPLIFIER POWER button** ..... (7)
❷ **VOLUME buttons (▲▼)** ..... (7, 8)
❸ **INPUT SELECT buttons** ..... (8)
❹ **MUTING button** ..... (8)

❺ **TUNER operation**
❻ **CD operation**

- The supplied remote control can be used to operate DENON CD player/Tuner.
- When using it, also refer to the operating instructions of the other devices.
- The remote control may not operate some products.

.

❑ CD operation

BUTTON NAME
CD POWER
DISC LAYER
0 - 9, +10
CLEAR
TITLE/ARTIST
RANDOM
PROGRAM/DIRECT
TIME
REPEAT
CALL
⏮, ⏭
⏯
■
◀◀, ▶▶
DIMMER
SOURCE
MODE SELECT
▲ (FOLDER +), ▼ (FOLDER –), ◀, ▶
ENTER

❑ Tuner operation

BUTTON NAME
TUNER PRESET +/–

Basic connections

Connections for all compatible audio signal format is described in this operating instructions. Please select the types of connections corresponding to the equipment you are connecting.

NOTE

- Do not plug in the power cord until all connections have been completed.
- When making connections, also refer to the operating instructions of the other components.
- Be sure to connect the left and right channels properly (left with left, right with right).
- Do not bundle power cords with connection cables. Doing so can result in humming or noise.
- Do not turn up the volume without a turntable connected to the PHONO input terminals. Doing so will cause humming or noise.

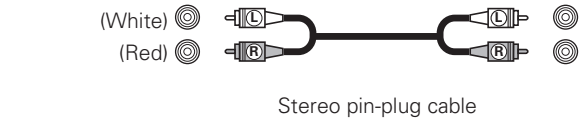
Preparations

Connecting cables

Select the cables according to the equipment being connected.

Audio cables

Analog connections (stereo)



Stereo pin-plug cable

Speaker connections

Speaker cables

Connecting the audio equipment

Cautions on playing SA sources:

When regular speakers not compatible with SA sources (DVD Audio discs, Super Audio CDs and other sources, including treble components above the audible range), set the properties of the player (DVD Audio player, Super Audio CD player, etc.) for use with regular speakers (or amplifiers).

The speakers may be damaged if the volume is set too high when playing SA sources. For instructions on player settings, refer to the operating instructions included with the player.

Connecting the speakers

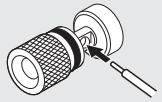
Connecting the speakers cables

Carefully check the left (L) and right (R) channels and + (red) and – (black) polarities on the speakers being connected to the unit, and be sure to connect the channels and polarities correctly.

1 **Peel off about 10 mm of sheathing from the tip of the speaker cable, then either twist the core wire tightly or apply solder to it.**

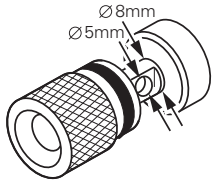
2 **Turn the speaker terminal counterclockwise to loosen it.**

3 **Insert the speaker cable's core wire to all the way into the speaker terminal.**



4 **Turn the speaker terminal clockwise to tighten it.**

Speaker terminal dimensions



NOTE

- Connect the speaker cables so they do not stick out of the speaker terminals. The protection circuit may be activated if the wires touch the rear panel or if the + and – sides touch each other (v "Protection circuit").
- Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock.

Speaker impedance

Use speakers with impedances within the ranges shown below to suit how they are used.

Speakers used	Impedance
A	4 - 16 Ω
B	4 - 16 Ω
A and B	8 - 16 Ω
Bi-wiring Connection	4 - 16 Ω

Protection circuit

The protection circuit is be activated in the following situations:

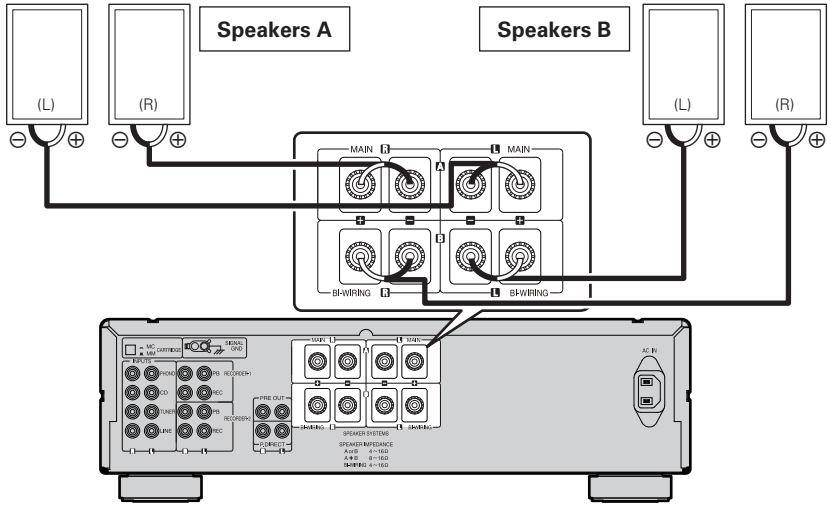
- If the speaker cable wire touches the rear panel or screws or if the speaker cable wire touches the speaker cable's + and – sides are touching
- If the surrounding temperature is extremely high
- If the inside of the amplifier gets hot to extended use at a high output

If this happens, unplug the power cord, then check the connections of the speaker cables and input cables. If the unit becomes very hot, wait for it to cool off and improve the ventilation around it. After doing this, plug the power cord back in.

If the protection circuit is activated even though there are no problems with the ventilation around the unit or in connections, the unit may be damaged. Turn off the power and then contact a DENON service center.

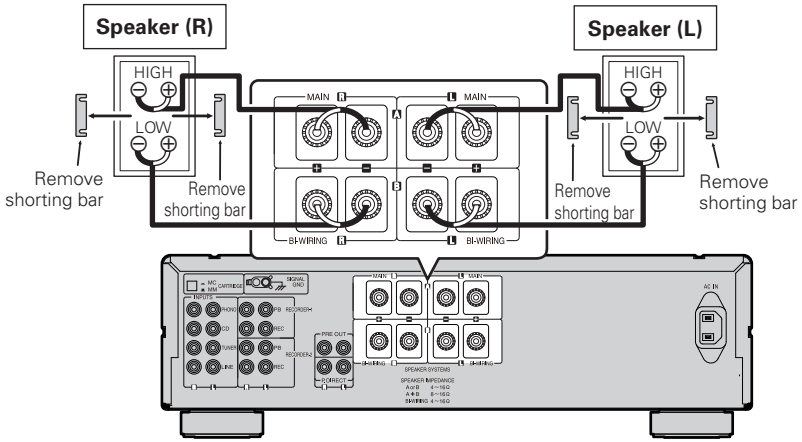
Speaker connections

- The same signal is output from the SPEAKER A and B terminals.
- When only one set of speakers is to be connected, use either the SPEAKER A or B terminals.



Bi-wiring connection

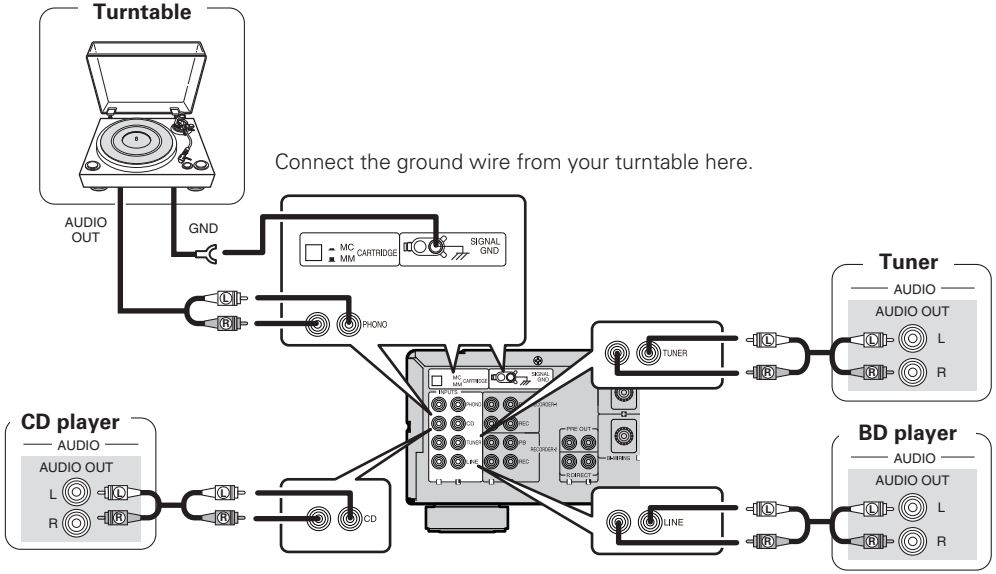
- When bi-wiring with bi-wireable speakers, connect the mid and high range terminals to SYSTEM (A) (or SYSTEM (B)), the low range terminals to SYSTEM (B) (or SYSTEM (A)).
- This enables playback with minimal interference between the high-range speaker unit and the low-range speaker unit.



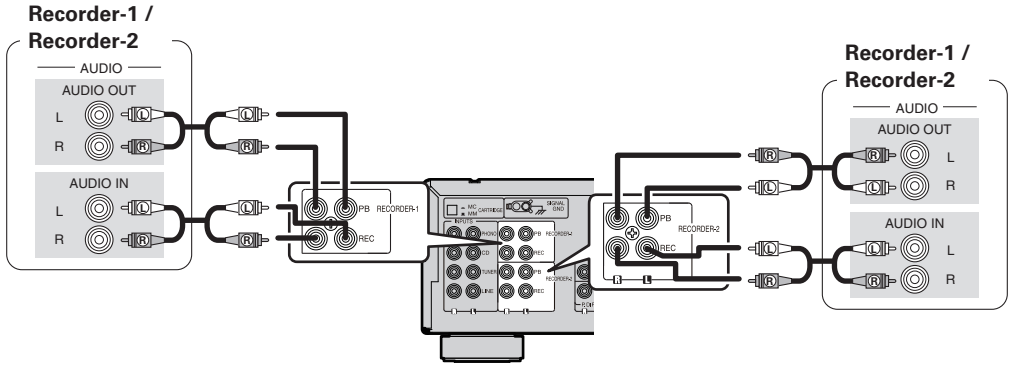
Connecting players

Set CARTRIDGE selection switch by the type of your cartridge to be used MM (▮) or MC (▬).

- The PHONO input terminals are equipped with a short pin-plug. Remove this plug to connect a turntable. After removing the short pin-plug, keep it in a safe place so you don't lose it.
- If humming or other noise is generated when the ground wire is connected, disconnect it.



Connecting recorders

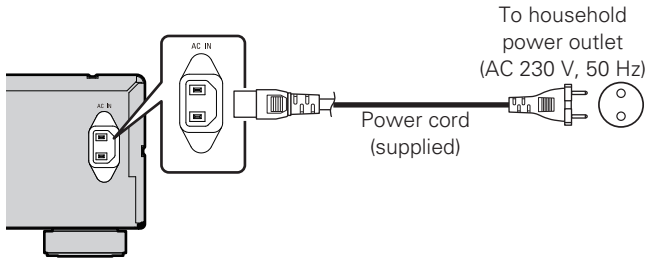


NOTE

NEVER insert the short-circuiting pin plug into the recording output. Doing so could result in damage.

Connecting the power cord

Wait until all connections have been completed before connecting the power cord.



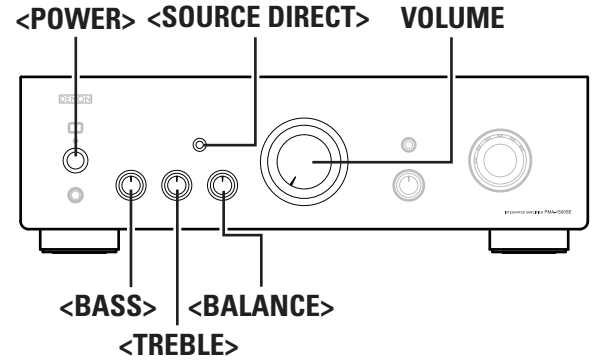
NOTE

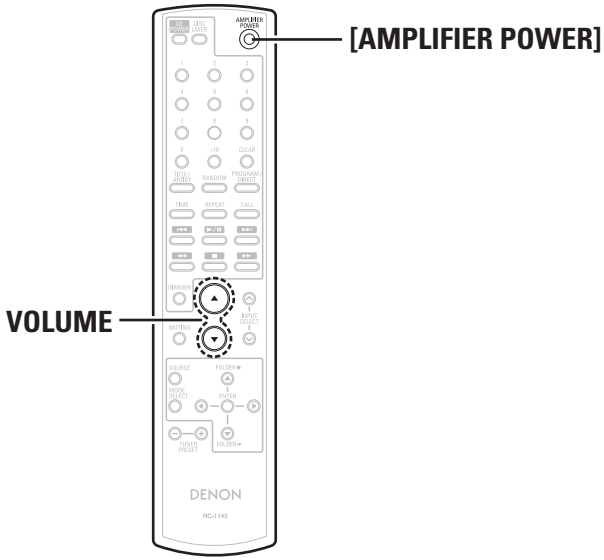
- Insert the plugs securely. Loose connections will result in the generation of noise.
- Do not use any cord other than the provided power cord.

Basic operation

Symbols used to indicate buttons in this manual

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





Before use

1 Turn the **VOLUME** all the way down.

2 Set **<SOURCE DIRECT>** to "OFF".

3 Set **<BASS>**, **<TREBLE>** and **<BALANCE>** to the center positions.

4 Press **<POWER>**.
- The power indicator blinks red for several seconds, then lights green.
- When set to "■OFF", the power turns off.

Turning the power off

1 Press **[AMPLIFIER POWER]**.
The power is set to the standby mode.

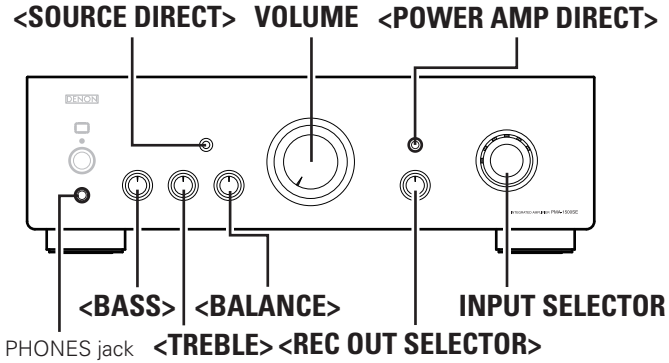
2 Press **<POWER>**.
The power indicator turns off, and so does the power.

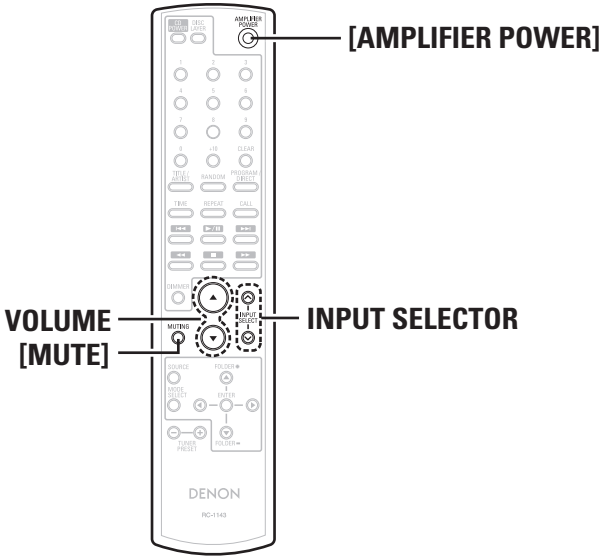
NOTE

Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time or when going on vacation, either press **<POWER>** to turn off the power, or unplug the power cord from the power outlet.

Symbols used to indicate buttons in this manual

Button located on both the main unit and the remote control → **BUTTON**
Button only on the main unit → **<BUTTON>**
Button only on the remote control → **[BUTTON]**





Starting playback

1 **Use INPUT SELECTOR to select the source.**
The input indicator for the selected source lights.
[Selectable sources]
RECORDER-2 | RECORDER-1 | PHONO | CD | TUNER | LINE

2 **Play the selected source.**

3 **Adjust the VOLUME to the desired level.**

4 **Adjust the tone with <BASS>, <TREBLE> and <BALANCE>.**
- When the **VOLUME** control knob is turned just past the "12 o'clock" position (over halfway), the effect of **BASS** and **TREBLE** adjustments decreases.
- When the **VOLUME** control knob is turned to maximum or all the way clockwise, the bases and treble can no longer be adjusted.

5 **If there is no need to adjust the tone, press <SOURCE DIRECT>.**
- When switched "▂ON", the signal does not pass through the tone adjustment circuitry (bass, treble and balance), resulting in playback of a higher sound quality.
- When set to "▀OFF", the sound can be adjusted to suit your taste.

6 **Press [MUTE] to mute the sound.**
- The power indicator on the main unit blinks red.
- Press again for sound.

Using headphone set

Plug headphones into PHONES jack.
- The speaker output turns off when the headphones are plugged in.
- To prevent hearing loss, do not raise the volume level excessively when using headphones.

Starting recording

1 **Set <REC OUT SELECTOR> to the program source you wish to record.**

2 **Set the recorder to the record mode.**

3 **Start playing the source to be recorded.**

NOTE

The recording source switches **INPUT SELECTOR** is operated during recording.

Copying recorders

1 **Turn the <REC OUT SELECTOR> and select "RECORDER-1 ► 2" (or "RECORDER-2 ► 1").**
[Selectable sources]
RECORDER-1 ► 2 | RECORDER-2 ► 1

※ When copying from a device connected to the "RECORDER-1" terminal to a device connected to the "RECORDER-2" terminal, select "RECORDER-1 ► 2".
※ When copying from a device connected to the "RECORDER-2" terminal to a device connected to the "RECORDER-1" terminal, select "RECORDER-2 ► 1".

2 **Set the device connected to the RECORDER-1 (or RECORDER-2) terminal to the record mode.**

3 **Start playback on the device connected to the RECORDER-2 (or RECORDER-1) terminal.**

- The sound to be recorded can be heard by selecting the playback source with the **INPUT SELECTOR**, while the recorded sound can be heard by selecting the recorder.
- When performing these operations, also refer to the operating instructions of the other devices.

NOTE

The sound may be interrupted or noise may be recorded if **INPUT SELECTOR** is operated during recording.

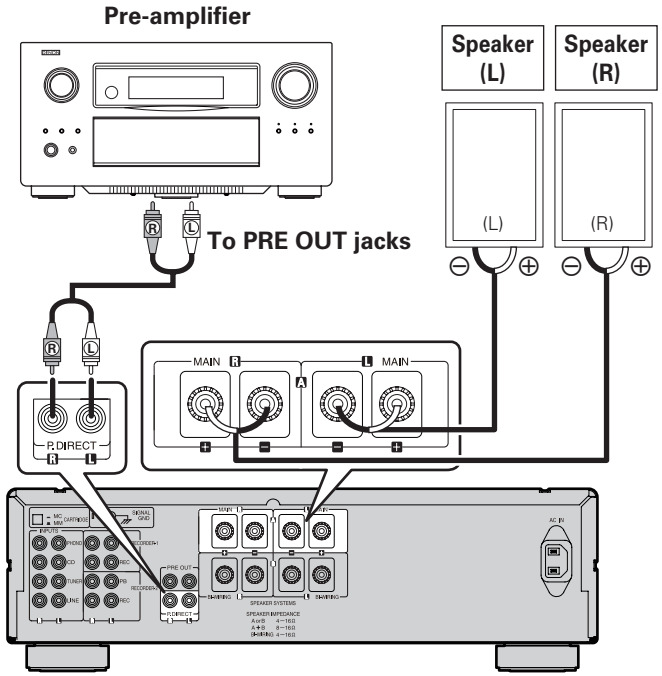
Advanced connections

Connecting P.DIRECT jacks

If you use a preamplifier, connect it as shown below, and then you can use this unit as a power amplifier.

- Switching **<POWER AMP DIRECT>** "▂ON", allows the device connected to the Power Amp Direct connector on the rear panel to be played. When ON, the input indicator turns off.
- Switching **<POWER AMP DIRECT>** "■OFF", allows the program source selected using the **INPUT SELECTOR** knob to be played. When OFF, the input indicator lights up.

For details on operations of the preamplifier, refer to the instruction manual supplied with the preamplifier to be used.

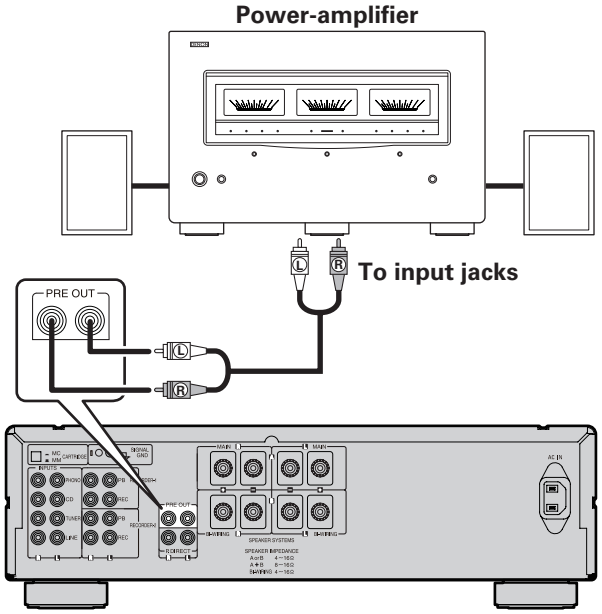


NOTE

- When the **<POWER AMP DIRECT>** switch is "▂ON", adjustment of the volume, balance and tone on the main unit has no effect. Adjust the volume on the input device.
- When the **<POWER AMP DIRECT>** switch is "▂ON", the main unit outputs at maximum volume. Check the output level on the input device before playing it and adjust the volume accordingly.

Connecting pre out jacks

If you use a power amplifier or subwoofer, connect it as shown below, and then you can use this unit as a preamplifier.
For connecting speaker systems, refer to the instruction manual supplied with the power amplifier to be used.



NOTE

- NEVER insert the short-circuiting pin plug into the PRE OUT terminals. Doing so could result in damage.
- Signals are output from the PRE OUT terminals even when using headphones.

Advanced operations

Setting Eco mode

With the Eco mode ON, this unit will automatically enter the standby mode after about 30 continuous minutes of no output from the speakers or headphones. During standby mode with the Eco mode ON, the Power indicator is unlit to reduce power consumption.

Press and hold [AMPLIFIER POWER] on the remote control for at least 5 seconds.

- Eco mode is switched between On and Off.
- The Power indicator indicates Eco mode On/Off during Standby, as shown below.

Eco mode "Off" "Lit in red" ⟷ Eco mode "On" "Unlit"

- The Power indicator flashes in red during Eco mode setting.

- If you set the Eco mode while the unit is ON, the unit will enter the standby mode as soon as the Eco mode setting is completed.
- The default setting for the Eco mode is OFF.

NOTE

If a source other than that selected with **INPUT SELECTOR** is selected with **<REC OUT SELECTOR>**, this unit does not enter the standby mode.
This unit enters the standby mode if it detects no output from the source selected with **INPUT SELECTOR**. Therefore if a source not selected with **INPUT SELECTOR** is output from the REC OUT terminals, the function of automatically entering standby mode is disabled to avoid interruption of power during recording.

Explanation terms

B

Bi-wiring Connection

This method of connecting a speaker by using two speaker cables enables separate transmission of treble and bass signals.
This enables playback with minimal interference between the high-range speaker unit and the low-range speaker unit.

M

MM/MC cartridge select

There are two types–MM (Moving Magnet) and MC (Moving Coil)–of cartridges for turntable.
As the output levels for these two types of cartridges differ, the setting of the phono equalizer that is mounted in this unit must be switched according to the type of cartridge for your turntable. For switching, use the MM/MC cartridge select button.

P

Protection Circuit

This is a function to prevent damage to components within the power supply when an abnormality such as an overload or excess voltage occurs for any reason.
In this unit, the power indicator blinks and the unit enters standby mode when an abnormality occurs.

S

Source direct

Playback with higher fidelity to the source becomes possible, as input audio signals are output by bypassing the audio quality-control circuits (bass/treble/balance).

Speaker impedance

This is certain-rated resistance of the speaker set to an alternating current and expressed in ohms.
The smaller the impedance, the greater the output. However, load on the amplifier is increased. Use speakers whose impedance is supported by this unit.

Troubleshooting

If a problem occurs, first check the following:

1. Are the connections correct?

2. Is the unit being operated as described in the owner's manual?

3. Are the other components operating properly?

If this unit does not operate properly, check the items listed in the table below. If the problem persist there may be a malfunction.
In that case, disconnect the power immediately and contact your retail outlet.

Symptom	Cause	Countermeasure	Page
When the power is turned on, the power indicator does not light and no sound is produced.	• The power cord's plug is not fully plugged in.	• Check if the cord is securely inserted into the unit's AC inlet and the wall power outlet.	7
Power switches off suddenly while you are using the unit, the power indicator will flash in red at intervals of approximately 1 seconds.	• The protection circuit will be activated depending upon the temperature rise in the internal parts of the unit.	• Please switch off power at once, and re-apply the power after the body temperature has fallen sufficiently. • Please re-install the unit in a place having good ventilation.	5 III
Power switches off suddenly while you are using the unit, the power indicator will flash red at intervals of approximately 0.5 seconds.	• A speaker with impedance not supported by this unit is used. • The protection circuit has been activated because the core wires of different speaker cables have touched each other or a core wire was slipped out of the terminal and is touching the unit's rear panel.	• Please use speakers which have the specified impedance. • Unplug the power cord, then after twisting the core wires together tightly again, or effecting termination treatments etc, please reconnect once again.	5 5
Even applying power, the power display flashes red at intervals of approximately 0.5 seconds.	• The amplifier circuit has failed.	• Switch off the power and please contact the DENON service adviser.	–
The power indicator lights but no sound is produced.	• The speaker cables are not fully connected. • The device you want to listen to has not been selected. • The volume control is set to minimum. • The input cable is not fully connected.	• Connect securely. • Insure the correct input is selected. • Set to an appropriate level. • Connect securely.	6 7 8 6
Sound is only produced from the left or right speaker (s).	• The speaker cables are not fully connected. • The input cable is not fully connected. • The left/right balance is off.	• Connect securely. • Connect securely. • Adjust to a proper balance with the balance control knob.	6 6 8
The left and right of stereo sound is reversed.	• The connections of the speakers or input cables are reversed.	• Check the connections to be sure that left is connected to left, right to right.	6
Humming sound is heard in the music when playing records.	• The player's ground wire is not connected. • The cables are not fully connected to the PHONO terminals. • Influence from a TV or VCR near the player.	• Connect securely. • Connect securely. • Try changing the positions in which the devices are installed.	6 6 –
Howling is produced along with the music if the volume is too high when playing records.	• The player and speakers are too close together. • The vibrations from the speakers are being transmitted to the player through the floor.	• Install the player and speakers as far from each other as possible. • Use cushions, etc., to absorb the speakers' vibrations.	– –
When playing a record, the sound is distorted.	• The needle pressure is incorrect. • There is dirt on the tip of the needle. • The cartridge is defective.	• Adjust to a proper needle pressure. • Check the tip of the needle. • Replace the cartridge.	– – –

Specifications

❑ Power amplifier section

Rated Output Power: 2-channel driving (CD → SP OUT)
70 W + 70 W (8 Ω, 20 Hz – 20 kHz, T.H.D. 0.07 %)
Dynamic power: 140 W + 140 W (4 Ω, DIN, 1 kHz, T.H.D. 0.7 %)
High frequency distortion: 0.01 % (Rated output: –3 dB), 8 Ω, 1 kHz
Output terminals: Speaker A or B: 4 – 16 Ω
A + B: 8 – 16 Ω
Suited for headphones/stereo headphones
Input Sensitivity / Input Impedance: POWER AMP DIRECT: 0.84 V / 47 kΩ
Amplification factor: 29 dB

❑ Pre amplifier section

Equalizer amplifier output: (REC OUT terminals) 150 mV
Input Sensitivity/Input Impedance: PHONO (MM): 2.5 mV/47 kΩ
PHONO (MC): 200 µV/100 Ω
CD, TUNER, LINE, RECORDER-1, RECORDER-2:
125 mV/45 kΩ (SOURCE DIRECT OFF)
125 mV/24 kΩ (SOURCE DIRECT ON)
RIAA Deviation: PHONO: 20 Hz – 20 kHz ±0.5 dB
Maximum Input: PHONO (MM): 150 mV/1 kHz
PHONO (MC): 13 mV/1 kHz
Rated Output: PRE OUT: 0.84 V (Input CD 125 mV)

❑ Overall performance

SN Ratio (A network): PHONO (MM): 89 dB
(With input terminals short-circuited, 5 mV input signal)
PHONO (MC): 74 dB
(With input terminals short-circuited, 0.5 mV input signal)
CD, TUNER, LINE, RECORDER-1, RECORDER-2:
108 dB (input terminals short-circuited)
Tone control: BASS: 100 Hz ±8 dB
TREBLE: 10 kHz ±8 dB

❑ General

Power supply: AC 230 V, 50 Hz
Power consumption: 285 W
0.2 W (Standby)
0.1 W (Eco Standby)
Maximum external dimensions: 434 (W) x 134 (H) x 410 (D) mm
Weight: 15.5 kg

❑ Remote control (RC-1143)

Batteries: R03/AAA Type (two batteries)
Maximum external dimensions: 49 (W) x 220 (H) x 21 (D) mm
Weight: 110 g (including batteries)

* For the purpose of improvement, the specifications and design are subject to change without notice.

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